



UNITED STATES PATENT AND TRADEMARK OFFICE

A

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/764,673	01/18/2001	Ram K. Ramesh	D-42035-06	8627
28236	7590	04/05/2005	EXAMINER	
CRYOVAC, INC. SEALED AIR CORP P.O. BOX 464 DUNCAN, SC 29334			HARMON, CHRISTOPHER R	
			ART UNIT	PAPER NUMBER
			3721	

DATE MAILED: 04/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SP

Office Action Summary

Application No.

09/764,673

Applicant(s)

RAMESH ET AL.

Examiner

Christopher R Harmon

Art Unit

3721

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 29-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 29-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/23/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 12/23/04 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 29-38 and 40-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al. (US 3,130,647) in view of Ohya (EP 0149321).

Anderson et al. disclose a process for making a backseamed casing comprising preparing a multilayer heat shrinkable film, wrapping the film longitudinally around a forming shoe with opposing edges overlapped and sealed forming a backseam while forwarding the film; see figure 13. Anderson discusses varying the thickness of at least one ply of the multilayer web; see column 3, lines 10-15 and lists possible materials

Art Unit: 3721

such as "polyethylene, styrene, nylon, vinylidene and chloride fluorocarbon plastic being representative, but not exclusive.", column 4, lines 7-8. Ohya teaches preparing a multilayer heat shrinkable film comprising a first and third outer layers comprising anhydrous polyolefin (preferred list page 6, 2nd paragraph); second layer comprising polyester or a first polyamide of 5 to 40% thickness (of total); fourth layer of VDC (O₂ barrier layer); see page 2 and 11. It would have been obvious to one of ordinary skill in the art to use the materials as taught by Ohya in the invention to Anderson et al. for manufacturing the backseamed casing.

Regarding claim 45, Anderson et al. disclose a lap seal (figure 2).

The examiner takes **OFFICIAL NOTICE** that limitations such as vicat softening points of 90 degrees (claim 33), 9% by weight of unsaturated acid mer present (claim 34), variations of layering, etc. are obvious design choices and at the time the invention was made, it would have been an obvious matter of design choice to a person of ordinary skill in the art to provide the desired polymer layer.

4. Claim 39 is rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al. (US 3,130,647) in view of Ohya (EP 0149321) in further view of Schirmer (US 4,448,792).

Anderson et al. do not directly disclose three to six layers of film forming the multilayer film, however Schirmer teaches constructing a thermoplastic heat shrinkable multilayer (six layers) bag, see figures 1 and 2. Schirmer also teaches oxygen barrier layer 14 comprising polyvinylidene chloride copolymer. The casing film shrinks in near boiling water or 185 degrees F, see column 4, lines 43-45. Schirmer discloses using

propylene homopolymers or copolymers for a specific layer (see column 3, lines 58-67). It would have been obvious to one of ordinary skill in the art to add layers as taught by Schirmer in the modified invention to Anderson et al.

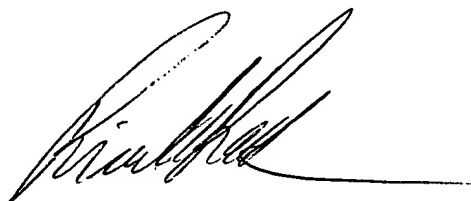
Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher R Harmon whose telephone number is (571) 272-4461. The examiner can normally be reached on Monday-Friday from 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi Rada can be reached on (571) 272-4467. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ch



Rinaldi I. Rada
Supervisory Patent Examiner
Group 3700